

SECTION 332

HEATER-REMIK RESURFACING AND HEATER-REPAVING

332.1 GENERAL

332.1.1 Heater-Remix Resurfacing consists of a "Paving Train" operation, involving heating of the existing asphaltic concrete surface to softening temperature, "soft" milling or mechanical scarification, addition (where specified) of selected aggregates to achieve a desired gradation; addition of an approved liquid rejuvenating agent, mechanical leveling of the processed material, followed by rolling and compacting of the remixed material. This process may be followed by a standard plant-mixed bituminous pavement overlay, of specified thickness and mix design.

332.1.2 Heater-Repaving consists of a single-machine operation which performs the following tasks: Preheating and final heating of existing pavement to achieve pavement surface temperatures of 225°F or greater; mechanical scarification and mechanical leveling of the existing, heated pavement material; immediate direct application of new, hot plant mixed bituminous surface course at specified rate(s), thermally bonding it to existing heated, processed pavement material and using standard "laydown" equipment consisting of pugmill and heated, vibratory screed with approved elevation-sensing devices and mechanical screed adjustment.

A tandem, steel-wheel pavement roller (10-12 Ton rated capacity) is used in addition, to achieve desired finish and degree of compaction.

332.3 REFERENCES

332.2.1 This publication
SECTION 117
SECTION 336

332.3 COORDINATION

332.3.1 Heater-Remix Resurfacing, when followed by a hot-mixed bituminous overlay, shall be performed under a single contact, to include both the heater-remixing and the bituminous overlay, to ensure close coordination between phases of the project and to expedite the work.

332.3.2 Heater-Repaving shall be performed as described in (332.1.2), above. The Heater-Repaving operation does not

include furnishing of hot-mixed bituminous overlay material and may also not include transportation of material to the job site; therefore, it will be the responsibility of the CONTRACTOR to coordinate the schedules of both the production of paving materials and the transportation of these materials to the job site.

332.4 SURFACE PREPARATION

The existing pavement scheduled for treatment, shall be flushed, swept or otherwise cleaned to remove all trash, debris and other deleterious substances which might affect the quality of either Heater-Remix or Heater-Repaving operations.

332.5 WEATHER RESTRICTIONS

332.5.1 Heater-Remix Resurfacing shall not be performed when rain, or the threat of rain is present. No work of this nature shall be performed, when the ambient temperature is below 50°F.

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332.6 REJUVENATING AGENTS

Rejuvenating agents shall be as specified in the supplemental specifications and shall comply with SECTION 117 and shall only be used in conjunction with Heater-Remix operations, where so specified. Rejuvenating agents shall not be used in any Heater-Repaving operations.

332.7 HEATING AND REMIXING

The existing surface shall be uniformly heated and remixed to a depth specified by the ENGINEER. The remixed surface shall be left in an evenly-spread condition and aggregate shall not be pulverized; broken or spalled. This requirement applies to both Heater-Remix Resurfacing and Heater-Repaving. In addition, where Heater-Repaving is used, the surface temperature of the scarified, level mix shall not be less than 225°F to ensure a thermal bond with the overlay material which is placed immediately thereafter.

332.8 PROTECTION OF PAVEMENT

332.8.1 Heater-Remix Resurfacing work, where a bituminous overlay is included in the project, may be opened to Traffic after completion of the Heater-Remix portion of the work, to permit additional traffic compaction prior to placement of a hot-mixed, bituminous overlay. If requested by the CONTRACTOR and if approved by the ENGINEER, the treated pavement may be opened to traffic for a period not to exceed seven (7) calendar days before placement of the overlay material. If, in the opinion of the ENGINEER a tack coat is then warranted for the Heater-Remixed pavement, prior to overlay, the tack coat will be provided by the CONTRACTOR at no additional cost to the owner.

332.8.2 Heater-Repaving work will be opened to traffic as soon as is practicable after the finish-rolling of the mixture has been completed and the pavement has "cured" sufficiently, in the opinion of the ENGINEER, to receive normally-anticipated traffic loads. The "curing" period will never be less than 30 minutes from completion of rolling to opening for traffic.

332.9 MEASUREMENT AND PAYMENT

332.9.1 Heater-Remix Resurfacing will be measured by the square yard. Asphalt rejuvenating agent will be measured by the gallon based on rate of application specified by the ENGINEER. The CONTRACTOR will not be compensated for applications exceeding the approved rate in gallons per sq. yd. Bituminous overlay when specified, will be measured by the square yard.

332.9.2 Heater-Repaving will be measured by the square yard, complete, in place; including placement and compaction of overlay. Furnishing of hot mix and Transportation of hot mix are not normally a part of the Heater-Repaving Contract.

332.9.3 Payment for Heater-Remix Resurfacing and Heater-Repaving will be at the unit cost per unit of measurement, as specified in the Bid Proposal.